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(71)Applicant: CLARIANT (JAPAN) KK

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(72)Inventor: TASHIRO YUJI

(54) SILICON-CONTAINING COPOLYMER AND METHOD FOR PRODUCING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a polymer having high resistance,

high light transmittance, a low dielectric constant, high mechanical

strength and flexibility even by curing in air.

SOLUTION: This silicon-containing has 500-1,000,000 number-average

molecular weight, contains an Si-O bond and comprises at least structural units represented by general formula (I) and general formula (II) and, if

necessary, general formula (III)-(VII) (R1 to R6 and R8 and R9 are each

independently an alkyl group, an alkenyl group, a cycloalkyl group, an aryl

group, an aralkyl group, an alkylamino group, an alkylsilyl group or an alkoxy group; R7 is a bifunctional group; R10 is a bifunctional aromatic group; A is

NH or O).

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